California Energy Commission
Public Interest Energy Research Program

HPCBS

High Performance Commercial Building Systems

A web-based occupant feedback user interface

Element 5
Project 2.2
Task 4

Clifford Federspiel, Hannah Yan
Center for the Built Environment, University of California, Berkeley

Ernest Orlando Lawrence Berkeley National Laboratory
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Occupant Feedback Information System Demonstration

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Clifford Federspiel
Hannah Yan

We demonstrated a web application that allows building occupants and maintenance personnel to send and receive messages about energy management and building maintenance, and to read values from the building control system. The application reads temperature values from a database that is continually updated with values from thermostats on three floors of the Philip Burton Federal Building. A third party application called Bacdoor is used to read the sensor values. The web application also exchanges information with a copy of the maintenance system at the Federal Building (Maximo).

Key pages are described below.

Login

This page allows registered users to enter the system. Privledges are established based on the user id.

Home

The page shows banner messages that created by the maintenance personnel and statistics about building temperatures. It contains links to other pages.

Check your office temp

This page contains a form that occupants can use to check temperature readings of thermostats in the building. The occupants input the code that appears on the thermostat cover. The application returns the most recent value of the temperature at the locations specified by the user.

Report to GSA

This page contains a form that occupants can use to report a problem to GSA. The form is converted to a work order.

Feedback

This page allows occupants to check the status of work requests.

GSA News

This page allows maintenance personnel to create and delete banner messages that show up on the home page.